

EXHIBIT 1**Identity between human and globefish EPO**

>gb|AAQ72467.1| erythropoietin [Takifugu rubripes]

Length = 185

Score = 95.5 bits (236), Expect = 5e-19

Identities = 66/181 (36%), Positives = 100/181 (55%), Gaps = 12/181 (6%)

Query: 12 LLLSLLSLPLGLPVLGAPPRICDSRVLERYLLEAKEAENITTGCAEHCSLNENITVPDT 71
L L+ L P L +P R ICD RVL ++ EA++AE C+E C+L++++ VP T

Sbjct: 10 LAFLIVLEWTQPSLPSPLRPICDLRVLNHFKEAQDAEAMKLCSEGCTLSDSVIVPQT 69

Query: 72 KVNFYANKRMEVGQQAVEVWQGLALLSEAVLRGQALLVNSSQPWEPLQLHVDKAVSGLRS 131
V F W++ +A EV GL LL EA + + N++ L H+D +V L S

Sbjct: 70 TVEFDVWEKKSALAKAQEVQSGWLWLLQEAFLRTSVTNTA-----LHSHIDNSVRNLLS 124

Query: 132 LTTLLRALRAQKEAISPDAASAAPLR-TITADTFRKLFRVYSNFLRGKLGK-LYTGEAC 188
+ +LR+L Q+ +PP ASAA + T T +L +V+ NFLRGK++ L +AC

Sbjct: 125 VNAVLRSLNIQE--FTPP--ASAAIEGTWRVSTATELLQVHINFLRGKVRLILLDAQAC 180

Query: 189 R 189

+

Sbjct: 181 Q 181

Identity between human and chicken EPO

>ref|NP_001001784.1| thrombopoietin [Gallus gallus]

gb|AAT45554.1| thrombopoietin [Gallus gallus]

Length = 177

Score = 90.5 bits (223), Expect = 5e-17

Identities = 54/166 (32%), Positives = 89/166 (53%), Gaps = 4/166 (2%)

Query: 1 MELTELLLVVNLTLARLTSSPAPPACDLRVLSKLLRDSHVLHSRLSQCEVHPLTPV 60
MEL LLL+ LL + + P P CD R++ K + ++ + R+S+C + L PV

Sbjct: 1 MELNRLLLLTSLHVKEGHARPMGPICDNRLIQKYIGEAKDNEKRVSECQALPALSCP 60

Query: 61 LLPAVDFSLGEWKTQMEETKAQDILGAVTLLLEGVMAARGQLGPTCLSSLLGQLSGQVRL 120
+LP VDF++ +WK + +E K ++IL + LL+ V A+GQ+ C + L QL

Sbjct: 61 VLPLVDFNMQRQWKNKSDEIKRREILCNLVLLVGAVTEAQQQVSQECGAGQLSGLYRHASS 120

Query: 121 LLGALQSLLGTQLPPQ---GRTTAHKDPNAIFLSFQHLLRGKVRF 162
L LQ+ + P + R+ IFL+++ L+GK+RF

Sbjct: 121 FLLLLQTFGWEEGPWEPGCSPRSIEQTHVTEIFLTYRQLVQGKLR 166